

FIG. 1

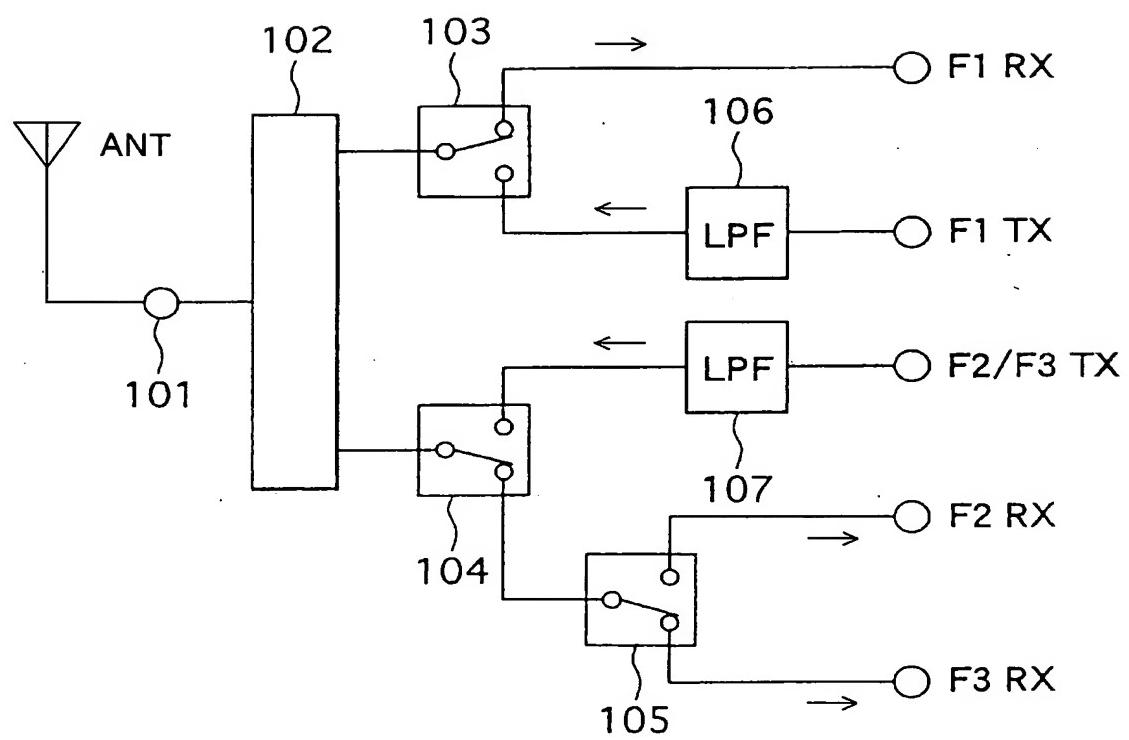
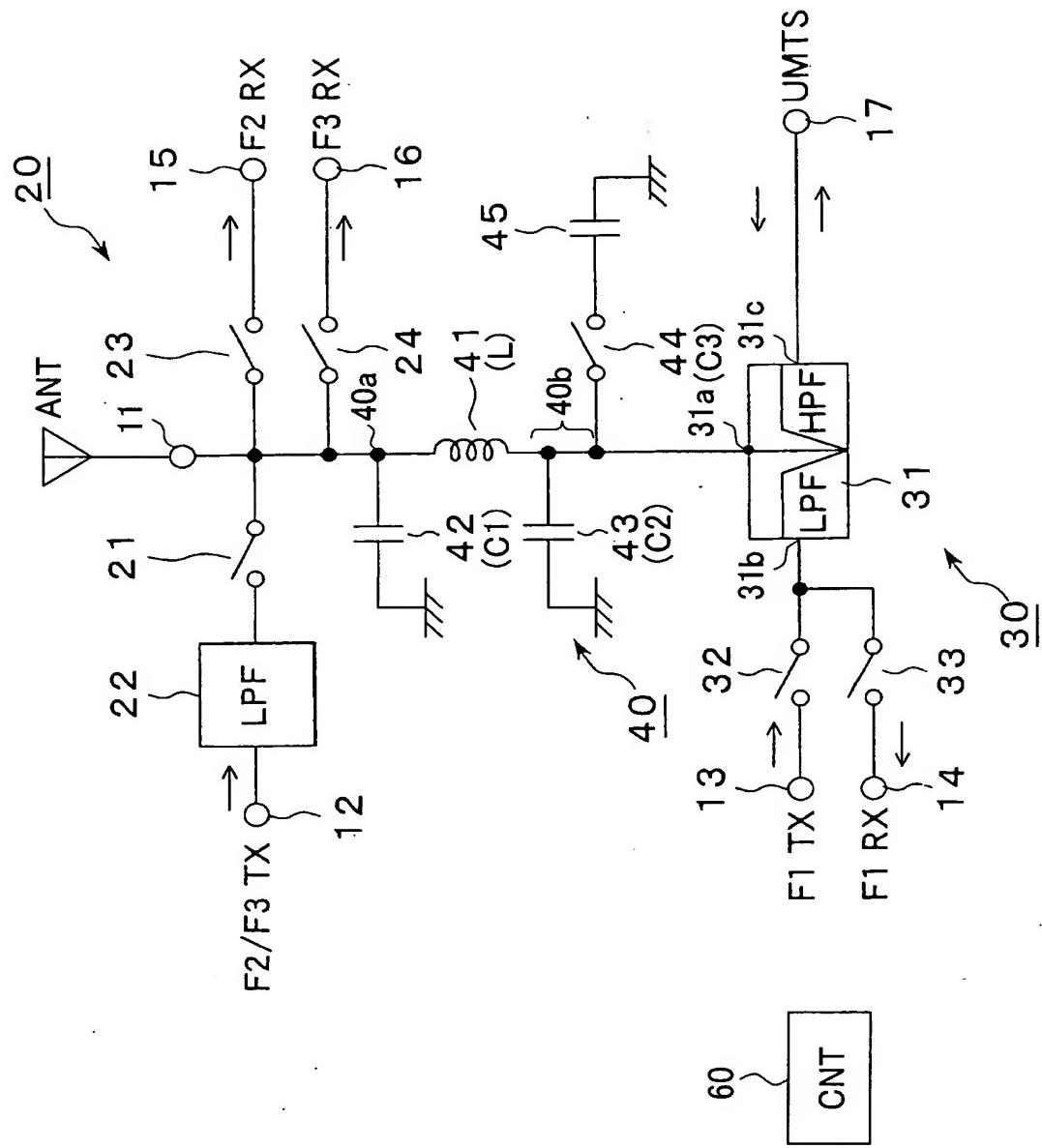
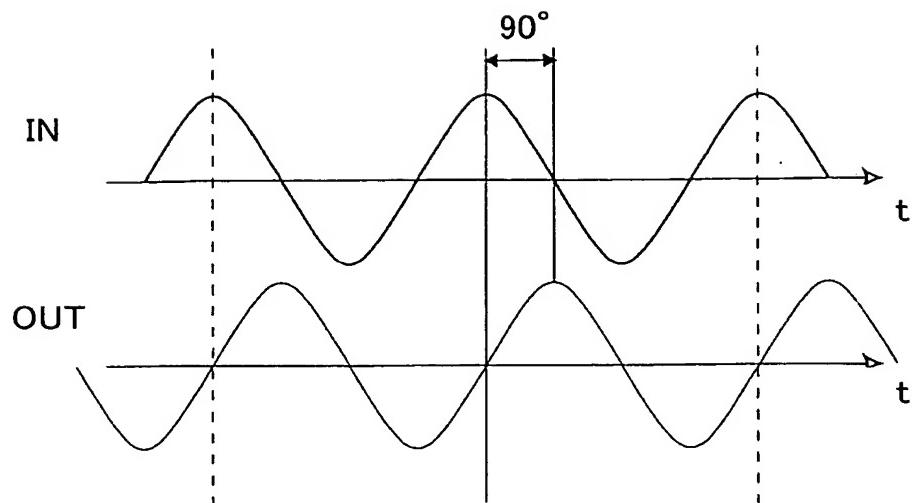


FIG. 2



**FIG. 3A**



**FIG. 3B**

**FIG. 4**

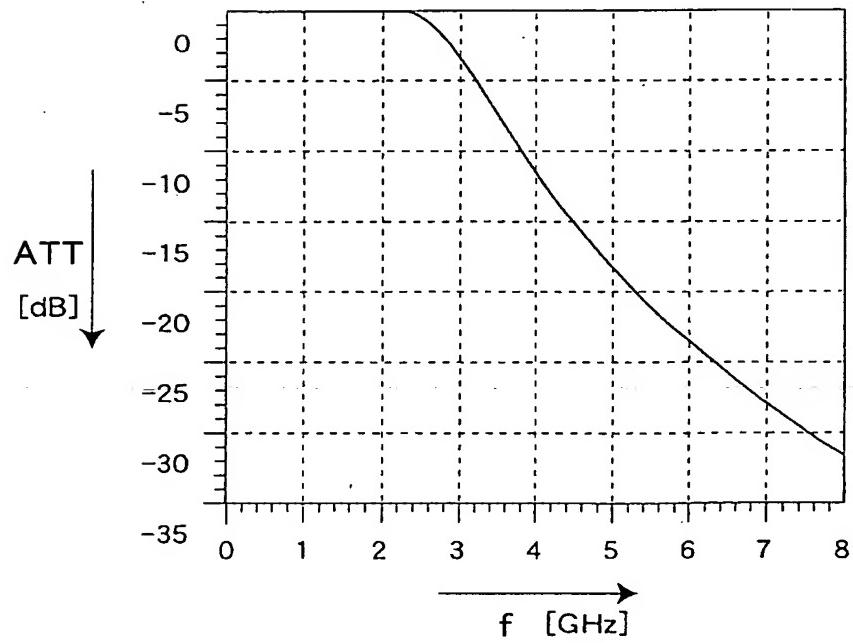
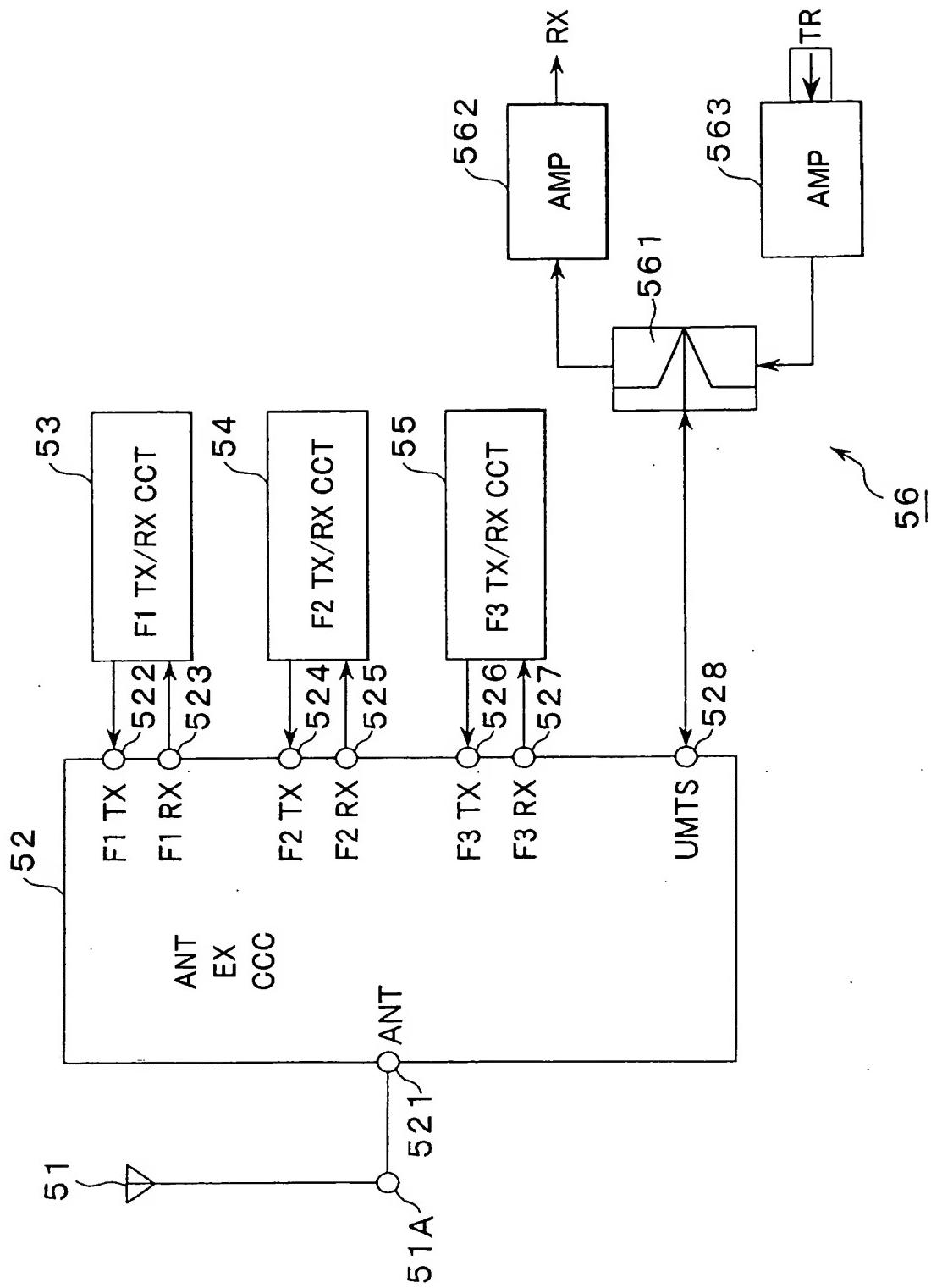


FIG. 5



## LIST OF REFERENCES

- 1... wireless signal switching circuit
  - 11... antenna terminal
  - 12... transmission terminal
  - 13... F1 transmitter signal terminal
  - 14... F1 receiver signal terminal
  - 15... F2 receiver signal terminal
  - 16... F3 receiver signal terminal
  - 17... UMTS transmission and reception terminal
  - 20... F2 or F3 transmission and reception system
- signal route switching
  - 21... switch element
  - 22... LPF
  - 23, 24... switch element
- 30... F1 or UMTS transmission and reception system
- signal route switching circuit
  - 31... diplexer
  - 32, 33... switch element
- 40... 90 degree phase rotation circuit
  - 41... inductor
  - 42, 43... capacitor
  - 44... switch element
  - 45... capacitor